10320 Camino Santa Fe, Suite G
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GBP4 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP17973c

Specification

GBP4 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q96PP9

GBP4 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 115361

Other Names
Guanylate-binding protein 4, GTP-binding protein 4, GBP-4, Guanine nucleotide-binding protein 4, GBP4

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GBP4 Antibody (Center) Blocking Peptide - Protein Information

Name GBP4 {ECO:0000303|Ref.1, ECO:0000312|HGNC:HGNC:20480}

Function
Interferon (IFN)-inducible GTPase that plays important roles in innate immunity against a diverse range of bacterial, viral and protozoan pathogens (By similarity). Negatively regulates the antiviral response by inhibiting activation of IRF7 transcription factor (By similarity).

Cellular Location
Golgi apparatus membrane. Cytoplasm Nucleus. Cytoplasm, perinuclear region.
Note=Heterodimers with GBP1, GBP2 and GBP5 localize in the compartment of the prenylated GBPs: with GBP1 in a vesicle-like compartment, with GBP2, around the nucleus and with GBP5, at the Golgi apparatus.

GBP4 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

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GBP4 Antibody (Center) Blocking Peptide - Images

GBP4 Antibody (Center) Blocking Peptide - Background

Guanylate-binding proteins, such as GBP4, are induced byinterferon and hydrolyze GTP to both GDP and GMP (Vestal, 2005[PubMed 16108726]).

GBP4 Antibody (Center) Blocking Peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Davila, S., et al. Genes Immun. 11(3):232-238(2010)Olszewski, M.A., et al. J. Interferon Cytokine Res. 26(5):328-352(2006)Vestal, D.J. J. Interferon Cytokine Res. 25(8):435-443(2005)Han, B.H., et al. Biochim. Biophys. Acta 1384(2):373-386(1998)